## WHAT IS CLAIMED IS:

1. A (meth)acrylate derivative represented by the formula (1):

$$\begin{array}{c} \mathbb{R}^{l} \\ \mathbb{C} \\ \mathbb{C} \\ \mathbb{C} \\ \mathbb{C} \\ \mathbb{R}^{2} \\ \mathbb{R}^{2} \end{array}$$

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wherein  $R^1$  and  $R^2$  are each a hydrogen atom or a methyl group.

- A polymer which is obtained by polymerizing
   the (meth)acrylate derivative described in Claim 1, or copolymerizing the (meth)acrylate derivative described in Claim 1 with another polymerizable compound.
- 3. The polymer according to Claim 2 which is 20 represented by the formula (2) and has a weight-average molecular weight of 2000 to 200000:

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wherein R¹, R², R³ and R³ are each a hydrogen atom or a
methyl group; R⁴ is an acid-labile group, an alicyclic
hydrocarbon group having 7 to 13 carbon atoms, which has
an acid-labile group, an alicyclic hydrocarbon group
5 having 7 to 13 carbon atoms, which has a carboxyl group,
or a hydrocarbon group having 3 to 13 carbon atoms, which
has an epoxy group; R⁶ is a hydrogen atom, a hydrocarbon
group having 1 to 12 carbon atoms, or an alicyclic
hydrocarbon group having 7 to 13 carbon atoms, which has
10 a carboxyl group; and x, y and z are optional values
which meet x + y + z = 1, 0 < x ≤ 1, 0 ≤ y < 1 and 0 ≤ z
< 1.</pre>

- A photoresist material which includes at least the polymer described in Claim 2 and a photo-acid generator for generating an acid by exposure.
- A photoresist material which includes at least the polymer described in Claim 3 and a photo-acid
   generator for generating an acid by exposure.
  - A photoresist material according to Claim 4 which further includes a polyhydric alcohol.
- 7. A photoresist material according to Claim 5 which further includes a polyhydric alcohol.

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- 8. A photoresist composition which comprises 70 to 99.8% by weight of the polymer described in Claim 2 and 0.2 to 30% by weight of a photo-acid generator for generating an acid by exposure.
- 9. A photoresist composition which comprises 70 to 99.8% by weight of the polymer described in Claim 3 and 0.2 to 30% by weight of a photo-acid generator for generating an acid by exposure.
- 10. A method for forming a pattern which comprises a step of applying the photoresist material described in Claim 4 onto a substrate to be worked, a step of exposing the material to a light having a wavelength of 180 to 220 nm, a step of carrying out baking, and a step of performing development.
- 11. A method for forming a pattern which comprises
  20 a step of applying the photoresist material described in
  Claim 5 onto a substrate to be worked, a step of exposing
  the material to a light having a wavelength of 180 to 220
  nm, a step of carrying out baking, and a step of
  performing development.

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12. The method for forming the pattern according

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to Claim 10 wherein the exposure light is an ArF excimer laser light.

- 13. The method for forming the pattern according to Claim 11 wherein the exposure light is an ArF excimer laser light.
  - 14. A polymer which is represented by the formula(2) and has a weight-average molecular weight of 2000 to

wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>5</sup> are each a hydrogen atom or a methyl group; R<sup>4</sup> is an acid-labile group, an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has an acid-labile group, an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has a carboxyl group, or a hydrocarbon group having 3 to 13 carbon atoms, which has an epoxy group; R<sup>6</sup> is a hydrogen atom, a hydrocarbon group having 1 to 12 carbon atoms, or an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has a carboxyl group; and x, y and z are optional values

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which meet x + y + z = 1,  $0 < x \le 1$ ,  $0 \le y < 1$  and  $0 \le z < 1$ .

15. A (meth)acrylate derivative having an alicyclic
lactone structure which is represented by the formula
(4):

(4)

wherein  $\mathbb{R}^8$  is a hydrogen atom or a methyl group;  $\mathbb{R}^9$  is a hydrocarbon group of 7 to 16 carbon atoms having an alicyclic lactone structure.

- 16. A polymer which is obtained by polymerizing the (meth)acrylate derivative described in Claim 15, or copolymerizing the (meth)acrylate derivative described in Claim 15 with another polymerizable compound and has a weight-average molecular weight of 2000 to 200000.
- 17. In a resin for resist, the solubility to an alkaline aqueous solution of which increases due to the decomposition of an acid-decomposable group thereof by an action of an acid, said resin is the resin for resist

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having a (meth)acrylate unit of an alicyclic lactone structure represented by the formula (3):

(3)

wherein  $R^8$  is a hydrogen atom or a methyl group, and  $R^9$  is a hydrocarbon group of 7 to 16 carbon atoms having an alicyclic lactone structure.

- 18. The resin for resist according to Claim 17 wherein said resin is the polymer of Claim 2 or Claim 14.
- 19. A photoresist material which includes at least the polymer described in Claim 14 or 16 and a photo-acid generator for generating an acid by exposure.
- 20. The photoresist material according to Claim 1920 which further includes a polyhydric alcohol.
  - 21. A photoresist composition which at least comprises 70 to 99.8% by weight of the polymer described in Claim 17 or 18 and 0.2 to 30% by weight of a photoacid generator for generating an acid by exposure.

- 22. A method for forming a pattern which comprises at least a step of applying the photoresist composition described in Claim 21 onto a substrate to be worked, a step of exposing the composition to a light having a wavelength of 180 to 220 nm, a step of carrying out baking, and a step of performing development.
- 23. The method for forming the pattern according to Claim 22 wherein the exposure light is an ArF excimer laser light.